



Chemical of Interest	Conc. mg/Kg
Acenaphthene	0.0631J
Benzo(a)anthracene	0.395
Benzo(a)pyrene	0.445
Chrysene	0.475J
Dibenz(a,h)anthracene	0.151
Fluoranthene	0.804J-
Fluorene	0.046J
Phenanthrene	0.508
Pyrene	0.862
Total PAHs	5.6

Chemical of Interest	Conc. mg/Kg
Dibenz(a,h)anthracene	0.0694J

Chemical of Interest	Conc. mg/Kg
Acenaphthene	0.0239J
Dibenz(a,h)anthracene	0.235
Fluorene	0.0277J

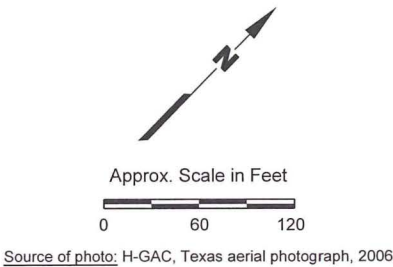
Chemical of Interest	Conc. mg/Kg
4,4'-DDT	0.00332J

Chemical of Interest	Conc. mg/Kg
Fluorene	0.0241J

EXPLANATION

- Gulfco Marine Maintenance Site Boundary (approximate)
- Intracoastal Waterway Sediment Sample
- Intracoastal Waterway Surface Water Sample
- Attempted Intracoastal Waterway Sediment Sample

Notes:  
1. Data Qualifiers: J = Estimated value.  
J- = Estimated value - biased low.  
2. Total PAH concentrations were calculated using 1/2 of the sample detection limit as a proxy value for undetected PAHs.



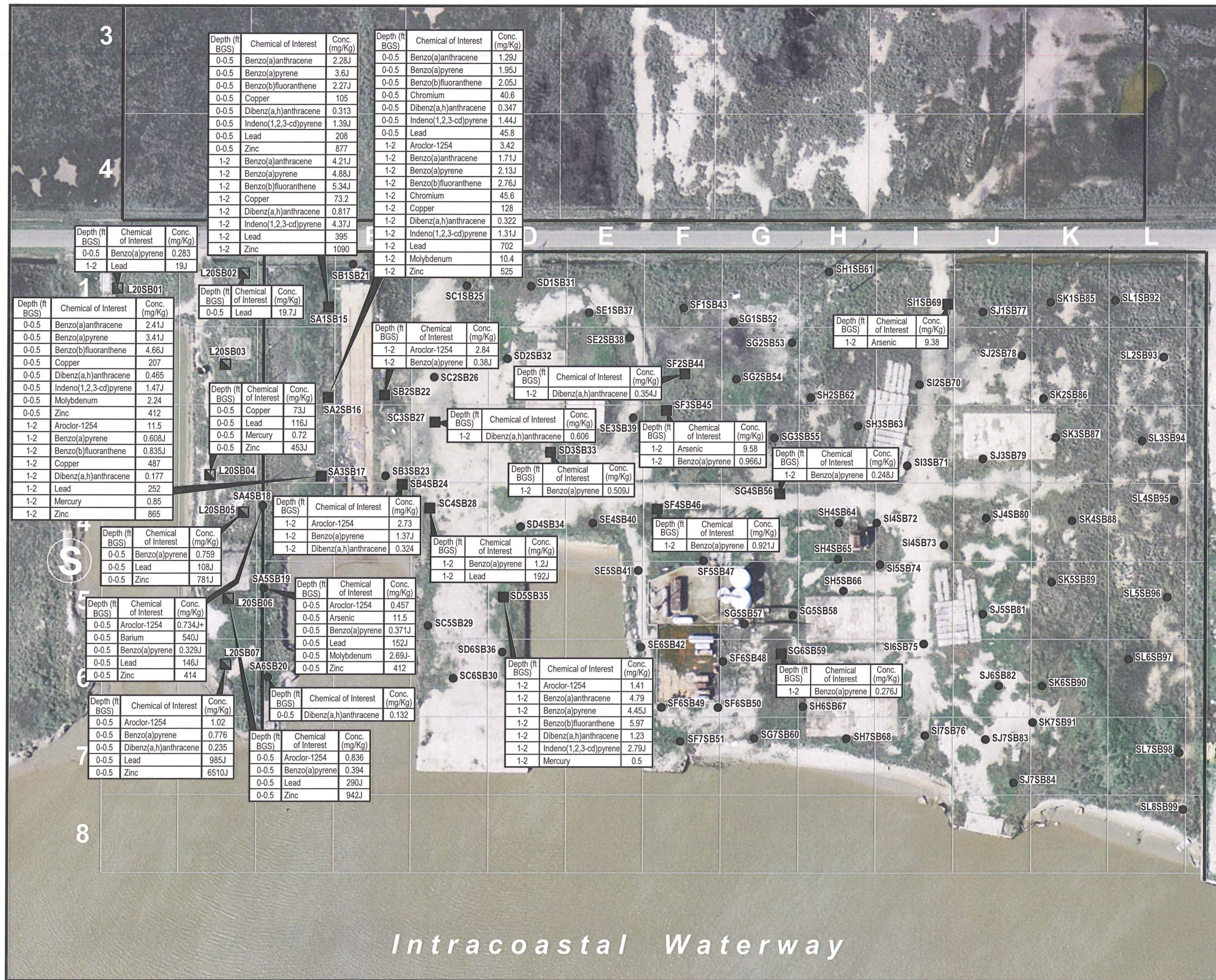
GULFCO MARINE MAINTENANCE  
FREEPORT, BRAZORIA COUNTY, TEXAS

Figure 43  
**DETECTED CONCENTRATIONS  
EXCEEDING COMPARISON VALUES-  
INTRACOASTAL WATERWAY  
RI SEDIMENT SAMPLES**

PROJECT: 1352	BY: ZGK	REVISIONS
DATE: APRIL, 2011	CHECKED: EFP	

PASTOR, BEHLING & WHEELER, LLC  
CONSULTING ENGINEERS AND SCIENTISTS

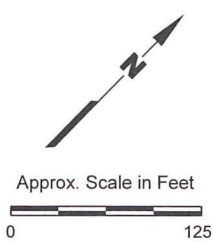




**EXPLANATION**

- Gulfco Marine Maintenance Site Boundary (approximate)
- Shallow Soil Sample (0-2 ft)
- Shallow (0-2 ft) and Deep (4-5 ft) Soil Sample
- ▣ Lot 20 Soil Sample

Note:  
Data Qualifiers: J = Estimated value.  
J- = Estimated value - biased low.  
J+ = Estimated value - biased high.



Source of photo: H-GAC, Texas aerial photograph, 2006.

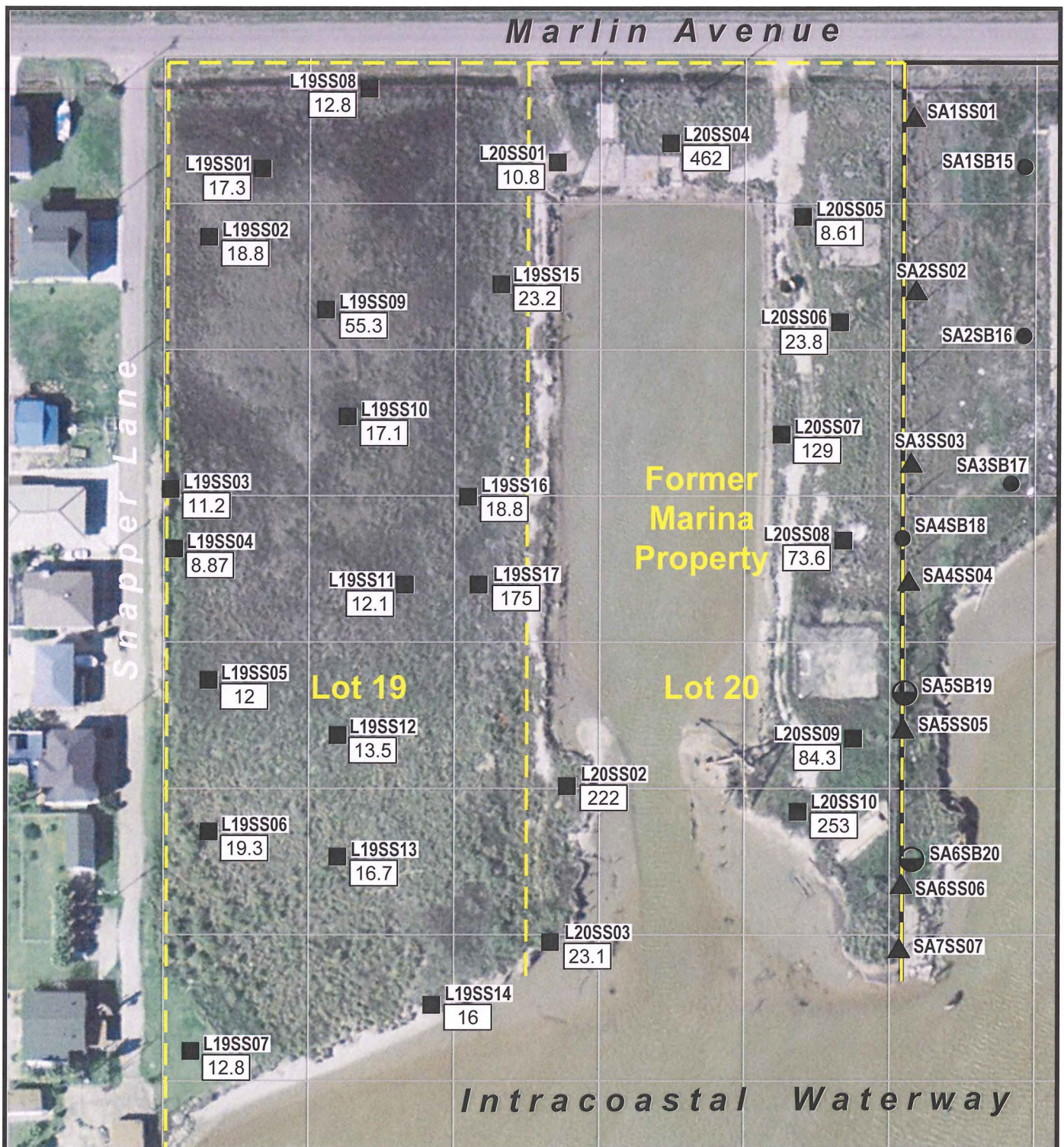
**GULFCO MARINE MAINTENANCE  
FREEPORT, BRAZORIA COUNTY, TEXAS**

Figure 44  
**DETECTED CONCENTRATIONS  
EXCEEDING COMPARISON VALUES-  
SOUTH AREA PHASE 1  
PERIMETER RI SOIL SAMPLES**

PROJECT: 1352	BY: ZGK	REVISIONS
DATE: APRIL, 2011	CHECKED: EFP	

**PASTOR, BEHLING & WHEELER, LLC**  
CONSULTING ENGINEERS AND SCIENTISTS



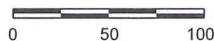


#### EXPLANATION

- Gulfco Marine Maintenance Site Boundary (approximate)
- Parcel Boundary (approximate)
- Judgmental Soil Sample (0-2 ft)
- Random Systematic Soil Sample (0-2 ft)
- Lot 21 Surface Soil Sample (0-1 in)
- Lot 19/20 Surface Soil Sample (0-1 in)
- Lead Concentration (mg/Kg)



Approx. Scale in Feet



Source of photo:  
H-GAC, Texas aerial photograph, 2006.

#### GULFCO MARINE MAINTENANCE FREEPORT, BRAZORIA COUNTY, TEXAS

Figure 45

#### LEAD CONCENTRATIONS IN LOT 19-20 SURFACE SOIL SAMPLES

PROJECT: 1352

BY: ZGK

REVISIONS

DATE: APRIL, 2011

CHECKED: EFP

**PASTOR, BEHLING & WHEELER, LLC**  
CONSULTING ENGINEERS AND SCIENTISTS